

HYUNDAI MOTOR COMPANY

EXECUTIVE ORDER A-254-0152 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 & 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED:

That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	TEST GROUP	VEHICLE TYPE	EXHAUST EMISSION STANDARD CATEGORY	USEFU (mil		IN-I COMP ("=N/A or A/E=ex	IEDIATE USE LIANCE full in-use; h. / evap. ate in-use)	FUEL TYPE	
2008	8HYXT02.0JW5	LDT: <6000# GVW, 0-3750# LVW	"LEV II" Ultra Low Emission Vehicle (LEV II	EXH / ORVR	EVAP	EXH	EVAP	Gasoline (Tier 2 Unleaded)	
			ULEV)	120K	150K	•	•		
No. ECS & SPECIAL FEATURES			EVAPORATIVE FAMILY (EVAF)			DISPLACEMENT (L)			
1	WU-TWC,T	WC, HO2S(2), SFI, OBD(F)	8HYXR0		÷				
•		*				2			
*		•		- \$					
*		*				·			

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

That the exhaust and the evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's "NMOG Fleet Average" (PC or LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this 204

nnette Hebert, Chief

Mobile Source Operations Division

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles



ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

(For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NMOG FLEET NMOG @ RAF=" AVERAGE [g/mi] CH4 RAF = "		AF = *	NMOG or	HCHO=for	naidehyde; P	M=particul	ate matter, i	KAF≃reaci	ivity aujus sedt=on∗h	oard refue	; CO=carbon r or; 2/3 D (g/ter ling vapor red test procedure	overy: g=gn			
CERT	STD	NMOG NMHC CERT CERT [g/mi] [g/mi]		STD [g/mi]		=1000 miles; g/mi]	F=oegrees	x [g/mi]	HC	HO [mg	/mi]	PM [g/	ml]	Hwy NC	x [g/mi]
0.037	0.040				CERT	STD	CERT				STD	CERT	STD	CERT	STD
	- 500			0.040	0.4	1.7	0.00	0.05	*		8.	•	*	0.01	0.07
	@ 50K	0.024	-	0.055	0.5	2.1	0.01	0.07	*		11.	•	0.01	0.01	0.09
	@ UL	0.028		0.055	0.0	*		*	-		-	*	•	*	*
· 🗶 (ე 50°F & 4K	•			ļ <u>.</u>		<u></u>				<u></u>	NIRALI	CANON	00	[g/mi]
CO [g/ml] @ 20°F & 50K				NMHC+NO (comp				MHC+NOx /mi] [US06]		CO [g/mi] [US06]		NMHC+NOx [g/mi] [SC03]		[SC03]	
				CERT	STD	CERT	STD	CERT	STD	CERT	STE	CERT	STD	CERT	STD
CERT	1.1	CETD 60 4	000 miles	-		•	*	0.03	0.14	5.0	8.0	0.01	0.20	0.8	2.7
	10.0	SFTP @ * miles			*	-	*	* *		*	*	*	•	*	<u> </u>
3-Days D			iumal + Ho ns/test) @ l	I + Hot Soak 2-Days Diurnal at) @ UL (grams/test			+ Hot Soak Running Loss) @ UL (grams/mile) @ UL			On-Board Refueling Vapor Recovery (grams/gallon) @ U			n) @ UL		
CERT		CERT	STD		CERT STD		STD	CERT		STD	STD CI		STD		
		0.39		.65 0.52			0.85		0.02 0			0.06		0.20	
8HYXR0125PDJ 0.38				*	*			*		*	•		*		
•							•		• •		*				
		-		•	*		•	*		*		•		•	

^{* =} not applicable; UL=useful life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; LVW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=ultra LEV; SULEV=super ULEV; TWC=3-way catalyst; ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing Catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing Catalyst; OC=oxidizing TWC; WU=warm-up catalyst; OC=oxidizing Catalyst; OC=oxidizing TWC; WU=warm-up catalyst; OC=oxidizing Catalyst; OC=oxidizing Catalyst; OC=oxidizing Catalyst; OC=oxidizing Catalyst; OC=oxidizing Catalyst; OC=oxidi

2008 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	EVAPORATIVE FAMILY	ECS NO.	ENGINE SIZE (L)	INTERMEDIATE IN-USE COMPLIANCE (*=N/A or full in-use; A/E=exh. / evap. Intermediate in-use)		PHASE-IN STD.	OBD (I
					EXH	EVAP		
HYUNDAI	TUCSON 2WD	8HYXR0125PDJ	1	2	•	*	SFTP	Full
HYUNDAI	TUCSON 4WD	8HYXR0125PDJ	1	2	•		SFTP	Full